**In The Claims:**

1. (Currently Amended) A method of controlling a vehicle with a trailer comprising:

determining a presence of the trailer;

determining a vehicle velocity;

determining a steering wheel angle;

determining a rear axle side slip angle of the vehicle; and

applying brake-steer to stabilize the vehicle and trailer when the rear axle slip angle is above a predetermined rear axle slip angle, the vehicle velocity is above a velocity threshold, and the steering wheel angle is about zero.

2. (Original) A method as recited in claim 1 wherein determining the presence of a trailer comprises determining the presence of a trailer with a hitch sensor.

3. (Original) A method as recited in claim 1 wherein determining the presence of a trailer comprises determining the presence of a trailer with a reverse aid sensor.

4. (Original) A method as recited in claim 1 wherein determining the presence of a trailer comprises determining the presence of a trailer with an ultrasonic sensor.

5. (Original) A method as recited in claim 1 wherein determining the presence of a trailer comprises determining the presence of a trailer with a camera.

6. (Original) A method as recited in claim 1 wherein determining the presence of a trailer comprises detecting a locating plate behind the vehicle.

7. (Currently Amended) A method as recited in claim 6 wherein the locating plate comprises a locating hole positioned along [[the]] a trailer tongue.

8. (Currently Amended) A method as recited in claim 1 wherein applying brake-steer comprises applying at least one brake at a first wheel ~~to reduce a vehicle turning radius~~.

9. (Currently Amended) A control system for an automotive vehicle and a trailer comprising:

means to determine the presence of the trailer;

a vehicle velocity sensor generating a vehicle velocity signal;

a steering wheel angle sensor generating a steering wheel angle signal; and

a controller coupled to the means, the velocity sensor and the steering angle sensor, said controller determining a rear axle side slip angle of the vehicle, and when the rear axle side slip angle is above a predetermined rear axle slip angle, the vehicle velocity signal is above a velocity threshold and the steering wheel angle is about zero, said controller programmed to apply brake-steer to the vehicle to stabilize the vehicle and trailer.

10. (Original) A system as recited in claim 9 wherein said means to determine the presence of a trailer comprises a hitch sensor.

11. (Original) A system as recited in claim 9 wherein said means to determine the presence of a trailer comprises a reverse aid sensor.

12. (Original) A system as recited in claim 9 wherein said means to determine the presence of a trailer comprises an ultrasonic sensor.

13. (Original) A system as recited in claim 9 wherein said means to determine the presence of a trailer comprises a camera.

14. (Original) A system as recited in claim 9 wherein said controller is programmed to brake-steer by applying a first brake and a second brake to reduce the turning radius of the vehicle.

15. (Currently Amended) A system as recited in claim 9 wherein said controller is programmed to brake-steer by applying at least one brake at a first wheel ~~to reduce a vehicle turning radius~~.

16. (Currently Amended) A system as recited in claim 9 wherein said controller is programmed to brake-steer by applying an increased drive torque to a second wheel relative to [[the]] a first wheel.

17. (Original) A control system as recited in claim 9 further comprising a steering wheel angle sensor generating a steering wheel angle signal, said controller programmed to apply brake-steer in response to a reverse direction signal and the steering wheel angle signal.

18. (Original) A control system as recited in claim 9 further comprising a yaw rate sensor generating a yaw rate signal, said controller programmed to apply brake-steer in response to a reverse direction signal and yaw rate signal.

19. (Original) A control system as recited in claim 9 further comprising a steering wheel torque sensor generating a steering torque signal, said controller programmed to apply brake-steer in response to a reverse direction signal and steering torque signal.

20. (Currently Amended) A control system as recited in claim 9 further comprising ~~a steering wheel angle sensor generating a steering wheel angle signal and a vehicle velocity sensor generating a vehicle velocity signal~~, said controller programmed to apply brake-steer in response to [[the]] a reverse direction signal, [[and]] steering wheel angle signal and vehicle velocity signal.

21. (Currently Amended) A method of controlling a vehicle with a trailer comprising:

determining a presence of the trailer;

determining a vehicle velocity;

determining a hand wheel angle position signal corresponding to an angle of the hand wheel angle position;

determining a sensor yaw rate from a yaw rate sensor;

calculating a hand wheel yaw rate based upon the hand wheel signal;

determining a rear axle side slip angle; and

applying brake-steer to the vehicle to stabilize the vehicle and trailer when the rear axle slip angle is above a predetermined rear axle slip angle, the vehicle velocity is above a velocity threshold, and the sensor yaw rate is diverging from the hand wheel yaw rate.

22. (Original) A method as recited in claim 21 wherein determining the presence of a trailer comprises determining the presence of a trailer with a hitch sensor.

23. (Original) A method as recited in claim 21 wherein determining the presence of a trailer comprises determining the presence of a trailer with a reverse aid sensor.

24. (Original) A method as recited in claim 21 wherein determining the presence of a trailer comprises determining the presence of a trailer with an ultrasonic sensor.

25. (Original) A method as recited in claim 21 wherein determining the presence of a trailer comprises determining the presence of a trailer with a camera.

26. (Currently Amended) A method as recited in claim 21 wherein applying brake-steer comprises applying at least one brake at a first wheel ~~to reduce a vehicle turning radius~~.